

EUROPEAN ALGAE BIOMASS

6-7 MAY 2014

SEVILLE, SPAIN

MAXIMISING COMMERCIAL SUCCESSES IN ALGAL BIOMASS
BY COMBINING FOCUSED R&D WITH BUSINESS STRATEGY

KEY TOPICS

- ROADMAP TO COMMERCIALISATION OF ALGAL BIOPRODUCTS
- RECENT PRODUCTION PLATFORMS FOR ALGAE BIOMASS
- MICROALGAE HARVESTING & PROCESSING
- DIFFERENT APPLICATIONS AND PRODUCTS FROM ALGAE:
NUTRIENTS, ANIMAL FEED, COSMETICS, PHARMA & BIOCHEMICALS
- INVESTMENT ACTIVITY IN MICROALGAE TECHNOLOGY
- PROJECT CASE STUDIES: BIOFUELS FROM ALGAE
- R&D UPDATES AND INNOVATIONS IN ALGAE TECHNOLOGIES
- ALGAE AS AN EFFECTIVE TOOL IN WASTE WATER TREATMENT
- APPLICATION OF ALGAE IN CARBON CAPTURE

CONFERENCE SPONSORS



Exclusive All-Gas Project Site Visit - Monday 5th May 2014

During the afternoon of 5th May 2014 a limited number of conference attendees will receive a unique opportunity to visit Aqualia's All-Gas Project "Biofuels from Algae" facility in Chiclana de la Frontera, Cádiz.

There is no extra charge to attend the site visit, but spaces are limited and allocated on a first come first served basis. Please register your attendance for the site visit when booking for the conference.



Sponsorship Opportunities:

Michael Bennett
Email: mbennett@acieu.net
Phone: +44 (0) 203 141 0628

More Info & Registration:

Dimitri Pavlyk
Email: dpavlyk@acieu.net
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Seville, Spain

ACI's 4th annual European Algae Biomass Conference will once again bring together senior executives from industry and academia to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire algae value chain.

The conference will have a heavy focus on case study examples of latest technologies in operation in the global algae industry and also includes an exclusive site visit on Monday 5th of May 2014. Join us to discuss the technical challenges faced when optimising the cultivation of algae, study the current and future commercial markets for algae products and the challenges faced on the road to commercialisation including the views from a number of different end markets.

Key Topics:

- Roadmap to Commercialisation of Algal Bio products
- Latest Production Platforms for Algal Biomass
- Microalgae Harvesting & Processing
- Different Applications & Products from Algae
- Investment Activity in Microalgae
- Project Case Studies: Biofuels from Algae
- R&D Updates and Latest Innovations

Why You Cannot Miss This Event?

The two day conference will comprise of a series of informative formal presentations from senior industry executives and experts, interactive panel discussions and excellent networking opportunities allowing you to maximise the productivity of your time at the event.

Who Will You Meet at This Event?

Algae cultivation plant owners and operators, leading algae/biomass research institutes, technology providers for cultivation, harvesting, de-watering, drying, oil extraction and processing, plant engineers and constructors, algae end market users, biofuel producers and green energy & biotech investors.

Host City of Seville

This year's event is going to Seville, Spain, offering our audience the opportunity to engage with not only international participants, but also local attendees from a rapidly growing market which offers enormous opportunity for business development.



EXCLUSIVE SITE VISIT



All-gas Project – Monday 5th May 2014

During the afternoon of Monday 5th May 2014 a limited number of conference attendees will receive a unique opportunity to attend an exclusive site visit

The All-gas project seeks to demonstrate the sustainable large-scale production of biofuels based on the low-cost cultivation of microalgae. The complete process chain - from cultivation ponds, biomass separation, extraction of oils and other chemicals to the downstream production of biofuels and their use in vehicle fleets - will take place based on a cultivation area of 10 hectares, with the goal of wastewater treatment becoming energy self-sufficient

Schedule of Site Visit:

13:00 - Registration for site visit at conference hotel in Seville – Silken Al-Andalus

13:30 – Depart conference hotel

15:15 – Welcome Address & company presentation by Aqualia

15:45 - Guided tour of the All-Gas Project

16:30 – Closing remarks & refreshments

17:00 - Depart All-Gas project

18:45 – Arrive conference hotel in Seville – Silken Al-Andalus

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For more information or to register your attendance please contact Dimitri Pavlyk on +44(0) 203 141 0627 or dpavlyk@acieu.net

Opportunities to Meet Your Target Audience

For information on available sponsorship and commercial opportunities, please contact: **Michael Bennett**, Tel: +44 (0)203 141 0628 or Email: mbennett@acieu.net


Registration Is Simple

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 **Postal Address:**
ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS

DAY 1

Tuesday 6th May 2014

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**



Mario Tredici
Vice-President
European Algae Biomass
Association

09:15 **CONFERENCE PRESENTATION**
Roadmap to Commercialization of Algal Bioproducts - From Specialties to Commodities

- Current Commercial Algal BioProducts: Supply - Demand in Europe and Globally
- Near-term Commercial Opportunities: EPA, Nutraceuticals, High Value Products
- Next Generation Bioproducts: Aquafeeds, Specialty Feeds, Waste Treatment
- Future Algae Bioproducts: Commodity Feeds, Biofuels



John R. Benemann
CEO
MicroBio Engineering

10:00 **SESSION ONE**
Recent Production Platforms for Algal Biomass

10:00 **Food and Fuel! Sustainable production of algae biomass in a closed system**

- Flat Panel Airlift Photobioreactors
- Examples of pilot and production plants with FPA reactors
- Comparison of closed and open systems regarding water and energy consumption
- Use of industrial CO2 sources



Peter Ripplinger
CEO
Subitec

10:30 **The quest for biofuel from Algal feedstock**

- The strategy of producing biofuel from microalgae oil
- The technology UniVerve developed and the status of the company
- The expected economics of a microalgae-to-oil farm



Ohad Zuckerman
CEO
UniVerve Ltd

11:00 **Panel Q&A**

11:15 **MORNING REFRESHMENTS**

11:45 **SESSION TWO**

11:45 **Microalgae Harvesting & Processing Feed the revolution! How a simple harvester can provide farmers with low-cost, healthy algae for feed**

- Evolving a simple, low-cost, reliable algae harvester
- Delivering intact, shelf-stable algae in concentrate or pellet form
- How low-cost harvesting can bring algae to the 500-billion dollar world feed industry



Nicholas Eckelberry
Co-Founder / Chief Inventor
OriginOil, Inc

12:15 **Algae harvesting excellence : High quality output of Algae paste makes the difference**

- Harvest a topquality Algae paste
- Even the smallest and most fragile Algae are harvested successfully
- All Algae cells are harvested intact and undamaged
- All valuable components inside the Algae cells are retained
- Significant increase of output biomass value



Pieter Boelens
Chief Operation Officer
Evodos

12:45 **Biofaçade and biorefining: innovative business models for microalgae products**

- new production systems and their limits: example of the biofaçade in France
- Algorefining: the impact of understanding
- Innovative business models arising from new production and refining technologies



Olivier Lepine
Director of Operations
AlgoSource Technologies

13:15 **Panel Q&A**

13:35 **LUNCH**



Participate in In-Depth & Informative Formal

DAY 2

Wednesday, 7 May 2014

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**



Mario Tredici
Vice-President
European Algae Biomass
Association

09:10 **SESSION FOUR**
Project Case Studies: Biofuels from Algae

09:10 **All-gas project: FP 7 Demo project of 10 ha site**

- Combination of algae production and nutrient removal from WWTP
- Preliminary results of 200 m2 pilot and 1000 m2 prototype
- Mass and energy balances for biomethane production



Frank Rogalla
Director of Innovation and Technology
Aqualia

09:40 **InteSusAI - Demonstration integrated sustainable microalgae production**

- Project introduction
- Heterotrophic culture
- Integration with phototrophic growth
- Flexible module production options



Neil Hindle
Programme Manager InteSusAI
Centre for Process Innovation

10:10 **Addressing energy, agriculture, and biotechnology through algae**

- Update from the world's first commercial demonstration algae-to-energy facility
- Beneficial reuse of CO₂ in algae cultivation as a carbon mitigation strategy
- Global role of policies to accelerate commercialization of algaiculture



Tim Zenk
Vice President of Corporate Affairs
Sapphire Energy Inc

10:40 **Panel Q&A**

11:00 **MORNING REFRESHMENTS**

14:40 **SESSION THREE**
Different Applications & Products from Algae

14:40 **Microalgae, food and cosmetic applications; regulatory and technological constraints**

- Microalgae and derived products
- Regulatory issues Active ingredients from microalgae for cosmetic applications Nutrition
- Diet and fashion: labelling and information



Silvio Mangini
Technical Director
Archimede Ricerche srl
Gruppo A&A Fratelli Parodi

15:10 **Cultivation algae, the potential for biobased products**

- Role of algae in Agriculture
- Algae as Source of Biochemicals
- The Benefits of Algae Plants
- Algae as Biosensors



Vivienne Dawn Demmer
President & CEO
Green Sea Bio System s.l.



Fernando Marvá Ruiz
Doctor, Bio-Chemical Engineer
Green Sea Bio System s.l.

15:40 **Beyond biofuels from microalgae - food, feed, fibre**



Vitor Verdelho Vieira
CDO A4F &
President EABA

16:10 **Panel Q&A**

16:30 **AFTERNOON REFRESHMENTS**

17:00 **CONFERENCE PRESENTATION**
Investment Activity in Microalgae Technology

- How to make your project attractive to investors?
- Investment in algae vs investment in other nutraceutical raw materials.



Syed Isa Syed Alwi
CEO
Algatech International

17:45 **CLOSE OF DAY ONE**

11:30 **SESSION FIVE**
R&D Updates and Latest Innovations in Algae Technologies

- Gain insights into cutting-edge pilot projects and discuss the latest findings
- Receive updates on the latest technological developments and explore new business
- Learn about experimental techniques to enhance product development

11:30 **Competitive technological choices in a maturing algae market**



Sander Hazewinkel
Chief Commercial Officer
LGen B.V.

12:00 **Cultivating microalgae of the 4th generation – Heterotrophic mixotrophic technology**



Pierre Calleja
President / CEO
Fermentalg SA

12:30 **Panel Q&A**

12:45 **LUNCH**

14:00 **SESSION SIX**
Algae as an Effective Tool in Waste Water Treatment

Using algae as a source of oxygen for attached growth aerobic wastewater treatment

- Supply of oxygen for conventional wastewater
- Algae can produce high concentrations of dissolved oxygen photosynthetically
- By utilizing attached-growth bacteria (MBBR technology), bacterial functions (breakdown of organics) are effectively separated from algal functions (photosynthesis and nutrient)
- The result is an effective, low cost system for high quality wastewater treatment



Remy Blanc
CTO
Aquanos Energy Ltd.

14:30

Evaluation of microalgae-based treatments for removing Nitrogen and Phosphorus from WWTP effluents

- Use wastewater as inexpensive nutrient and water sources
- Lab-scale application of microalgae as secondary and sidestream treatments
- Additional advantages of microalgae-based processes compared to conventional nutrient removal technologies



Laure Constans
R&D Project Manager
SUEZ ENVIRONNEMENT

15:00

Panel Q&A

15:15

CONFERENCE PRESENTATION
Algae for Carbon Capture and Product Development

- Microalgae have been heralded to be the potential saviours of most of the world's current ailments, as they have high biomass productivity on non-arable land using non-potable water resources
- Offer, dependent on strain, a multitude of high and low value waste-gas and waste water-derived co-products
- The actual bottlenecks that need to be overcome to for effective carbon capture and low- to mid-value product development



Kirsten Heimann
Associate Professor-Project Leader
Microalgae Carbon Capture
James Cook University

16:00

CHAIRMAN'S CLOSING REMARKS



Mario Tredici
Vice-President
European Algae Biomass Association

16:00

AFTERNOON REFRESHMENTS & END OF CONFERENCE


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For commercial opportunities please contact:

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Registration Is Simple

Conference (Includes Documentation Packet) 6th & 7th May 2014	£1,495.00
Documentation Packet Only	£420.00

Please Note.

Members and customers of all supporting organisations are entitled to a discount off their conference package.

For more information please call Dimitri Pavlyk on +44 (0)203 141 0627.

Documentation Packet Available

We are selling the 4th European Algae Biomass papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

About ACI

ACI, a UK owned company, have been running successful conferences for the last 15 years in the USA. Headquartered in Chicago with offices all around the States, they run forums in varied fields and are market leaders in healthcare business conferences. Opening their European head office at the end of 2005, they have expanded rapidly and are launching a series of events covering the maritime, energy, oil and gas industries.

With Thanks to Our Partners



Terms & Conditions

Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call Dimitri on +44 (0)203 141 0627 for more information.

Cancellations

Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

Conference Venue

Silken Al-Andalus Palace



Avenida de la Palmera s/n,
41012, Seville